

IN THE CLAIMS

Please cancel claims 4, 7, 15 and 18, and amend the claims as follows:

1. (Currently Amended) A tint control system for component video signals comprising:

a first input for receiving a first component video signal;

5 a second input for receiving a second component video signal;

circuitry including a first differential amplifier and a second differential amplifier for receiving the first and second component video signals from the first and second inputs,)

10 respectively, said first and second differential amplifiers each including a pair of transistors;

a first output connected to the circuitry for outputting a first tint control adjustment signal for the first component video signal; and

15 a second output connected to the circuitry for outputting a second tint control adjustment signal for the second component video signal,

wherein a collector of one transistor of each pair of transistors of the first and second differential amplifiers is connected to an
20 operating voltage.

2. (Original) The system according to Claim 1, wherein the first outputted signal is represented as $V+kU-2ckU$, where V represents the first component video signal, U represents the second component video signal, k is a constant, and c is a value greater than or equal to zero and less than or equal to one.

3. (Original) The system according to Claim 1, wherein the second outputted signal is represented as $U-kV+2ckV$, where V represents the first component video signal, U represents the second component video signal, k is a constant, and c is a value greater than or equal to zero and less than or equal to one.

4. (Cancelled).

5. (Currently Amended) The system according to ~~Claim 4~~Claim 1, wherein a base of a respective transistor of the pair of transistors of the first differential amplifier is directly connected to a base of a respective transistor of the pair of transistors of the second differential amplifier.

6. (Currently Amended) The system according to ~~Claim 4~~Claim 1, wherein the emitters of each pair of transistors are connected to ground via a transistor connected in series with a resistor.

7. (Cancelled).

8. (Currently Amended) ~~The system according to Claim 4A tint control system for component video signals comprising:~~

_____ a first input for receiving a first component video signal;

5 _____ a second input for receiving a second component video signal;

_____ circuitry including a first differential amplifier and a second differential amplifier for receiving the first and second component video signals from the first and second inputs,

10 respectively, said first and second differential amplifiers each including a pair of transistors;

_____ a first output connected to the circuitry for outputting a first tint control adjustment signal for the first component video signal; and

15 _____ a second output connected to the circuitry for outputting a second tint control adjustment signal for the second component video signal,

wherein a collector of one transistor of the pair of transistors of the first differential amplifier is connected to the first input

20 via a resistor and to the first output.

9. (Currently Amended) ~~The system according to Claim 4A~~ tint control system for component video signals comprising:

a first input for receiving a first component video signal;

5 a second input for receiving a second component video signal;

circuitry including a first differential amplifier and a second differential amplifier for receiving the first and second component video signals from the first and second inputs,

10 respectively, said first and second differential amplifiers each including a pair of transistors;

a first output connected to the circuitry for outputting a first tint control adjustment signal for the first component video signal; and

15 a second output connected to the circuitry for outputting a second tint control adjustment signal for the second component video signal,

wherein a collector of one transistor of the pair of transistors of the second differential amplifier is connected to the second input
20 via a resistor and to the second output.

10. (Currently Amended) ~~The system according to Claim 4A~~ tint control system for component video signals comprising:

a first input for receiving a first component video signal;

5 a second input for receiving a second component video signal;

circuitry including a first differential amplifier and a second differential amplifier for receiving the first and second component video signals from the first and second inputs,

10 respectively, said first and second differential amplifiers each including a pair of transistors;

a first output connected to the circuitry for outputting a first tint control adjustment signal for the first component video signal; and

15 a second output connected to the circuitry for outputting a second tint control adjustment signal for the second component video signal,

wherein a base of one transistor of the pair of transistors of the first differential amplifier is connected to a third input via a resistor for receiving a control signal for the first component video signal.

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11. (Currently Amended) ~~The system according to Claim 4A~~ tint control system for component video signals comprising:

a first input for receiving a first component video signal;

5 a second input for receiving a second component video
signal;
circuitry including a first differential amplifier and a
second differential amplifier for receiving the first and second
component video signals from the first and second inputs,
10 respectively, said first and second differential amplifiers each
including a pair of transistors;
a first output connected to the circuitry for outputting a
first tint control adjustment signal for the first component video
signal; and
15 a second output connected to the circuitry for outputting
a second tint control adjustment signal for the second component
video signal,
wherein a base of one transistor of the pair of transistors of the
second differential amplifier is connected to a third input via a
20 resistor for receiving a control signal for the first component
video signal.

12. (Currently Amended) A method for controlling tint of
component video signals, the method comprising the steps of:

receiving a first component video signal;

receiving a second component video signal;

5 providing circuitry including a first differential
amplifier and a second differential amplifier for receiving the

first and second component video signals, respectively, the first and second differential amplifiers each including a pair of transistors;

10 outputting a first tint control adjustment signal for the first component video signal; and

 outputting a second tint control adjustment signal for the second component video signal,

wherein a collector of one transistor of each pair of transistors
15 is connected to an operating voltage.

13. (Original) The method according to Claim 12, wherein the first outputted signal is represented as $V+kU-2ckU$, where V represents the first component video signal, U represents the second component video signal, k is a constant, and c is a value
5 greater than or equal to zero and less than or equal to one.

14. (Original) The method according to Claim 12, wherein the second outputted signal is represented as $U-kV+2ckV$, where V represents the first component video signal, U represents the second component video signal, k is a constant, and c is a value
5 greater than or equal to zero and less than or equal to one.

15. (Cancelled).

16. (Currently Amended) The method according to ~~Claim 15~~Claim 12, wherein a base of a respective transistor of the pair of transistors of the first differential amplifier is directly connected to a base of a respective transistor of the pair of transistors of the second differential amplifier.

17. (Currently Amended) The method according to ~~Claim 15~~Claim 12, wherein the emitters of each pair of transistors are connected to ground via a transistor connected in series with a resistor.

18. (Cancelled).

19. (Currently Amended) ~~The method according to Claim 15A~~
method for controlling tint of component video signals, the method comprising the steps of:

receiving a first component video signal;

receiving a second component video signal;

providing circuitry including a first differential amplifier and a second differential amplifier for receiving the first and second component video signals, respectively, the first and second differential amplifiers each including a pair of transistors;

outputting a first tint control adjustment signal for the first component video signal; and

outputting a second tint control adjustment signal for the second component video signal,

15 wherein a collector of one transistor of the pair of transistors of the first differential amplifier is connected to an input via a resistor for receiving the first component video signal and to an output for outputting the first signal.

20. (Currently Amended) ~~The method according to Claim 15A~~
method for controlling tint of component video signals, the method comprising the steps of:

receiving a first component video signal;

5 receiving a second component video signal;

providing circuitry including a first differential amplifier and a second differential amplifier for receiving the first and second component video signals, respectively, the first and second differential amplifiers each including a pair of

10 transistors;

outputting a first tint control adjustment signal for the first component video signal; and

outputting a second tint control adjustment signal for the second component video signal,

15 wherein a collector of one transistor of the pair of transistors of the second differential amplifier is connected to an input via a

resistor for receiving the second component video signal and to an output for outputting the second signal.

21. (Currently Amended) ~~The method according to Claim 15A~~
method for controlling tint of component video signals, the method
comprising the steps of:

receiving a first component video signal;

5 receiving a second component video signal;

providing circuitry including a first differential
amplifier and a second differential amplifier for receiving the
first and second component video signals, respectively, the first
and second differential amplifiers each including a pair of
10 transistors;

outputting a first tint control adjustment signal for the
first component video signal; and

outputting a second tint control adjustment signal for the
second component video signal,

15 wherein a base of one transistor of the pair of transistors of the
first differential amplifier is connected to an input via a
resistor for receiving a control signal for the first component
video signal.

22. (Currently Amended) ~~The method according to Claim 15A~~
method for controlling tint of component video signals, the method
comprising the steps of:

receiving a first component video signal;

5 receiving a second component video signal;

providing circuitry including a first differential
amplifier and a second differential amplifier for receiving the
first and second component video signals, respectively, the first
and second differential amplifiers each including a pair of

10 transistors;

outputting a first tint control adjustment signal for the
first component video signal; and

outputting a second tint control adjustment signal for the
second component video signal,

15 wherein a base of one transistor of the pair of transistors of the
second differential amplifier is connected to an input via a
resistor for receiving a control signal for the first component
video signal.